Title: CORE STRUCTURE OF
INTEGRAL HEAT-EXCHANGER
Inventor(s): Mitsuru IWASAKI et al.
DOCKET NO.: 040679/1209

FIG.1

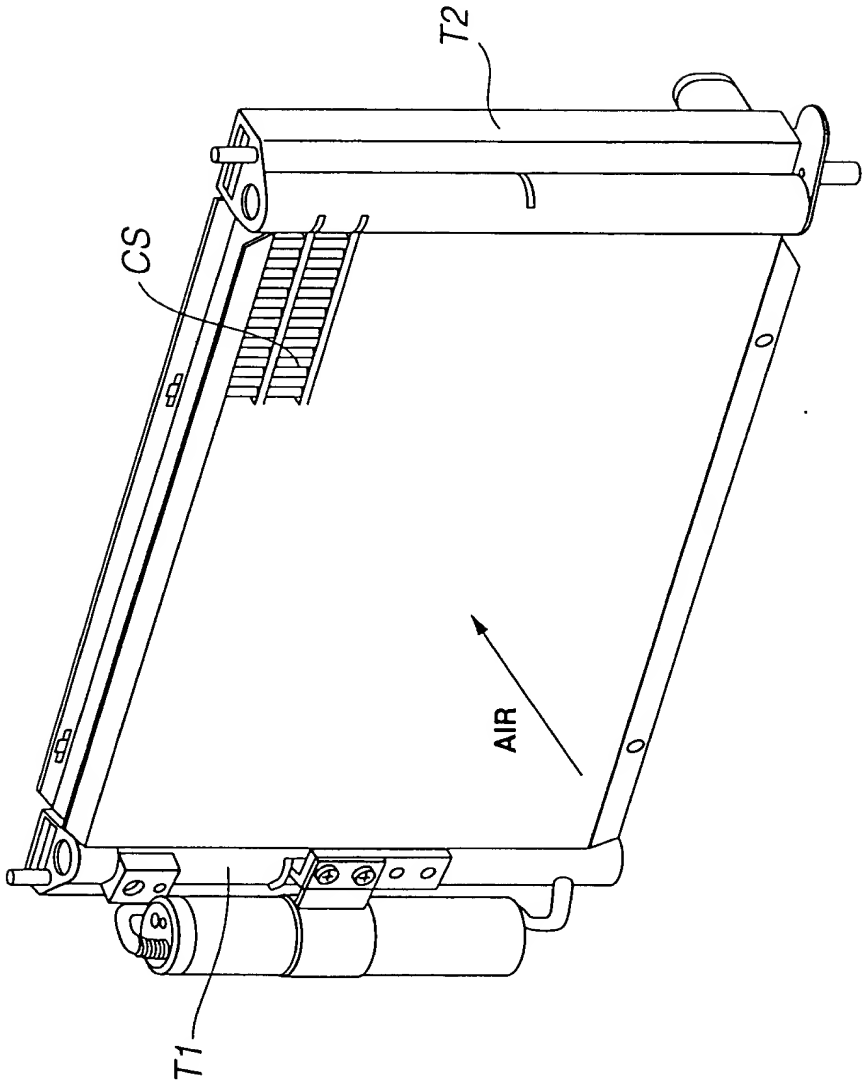

FIG.2

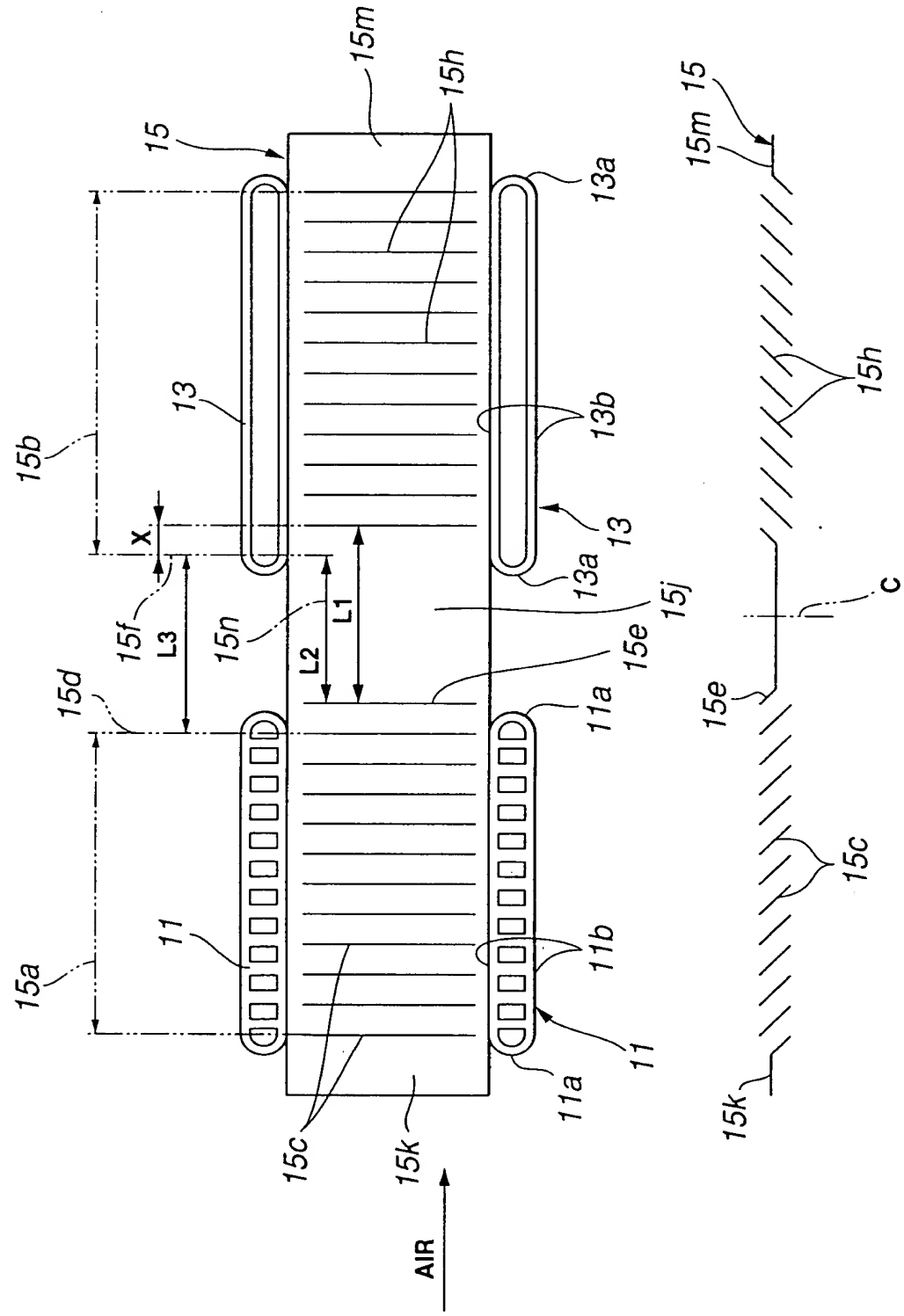
15
15m
15h
13a
13
13b
15b
X
15f
L3
15n
L2
L1
15j
15e
15d
11a
11
11b
15a
15c
15k
AIR
c

FIG.3

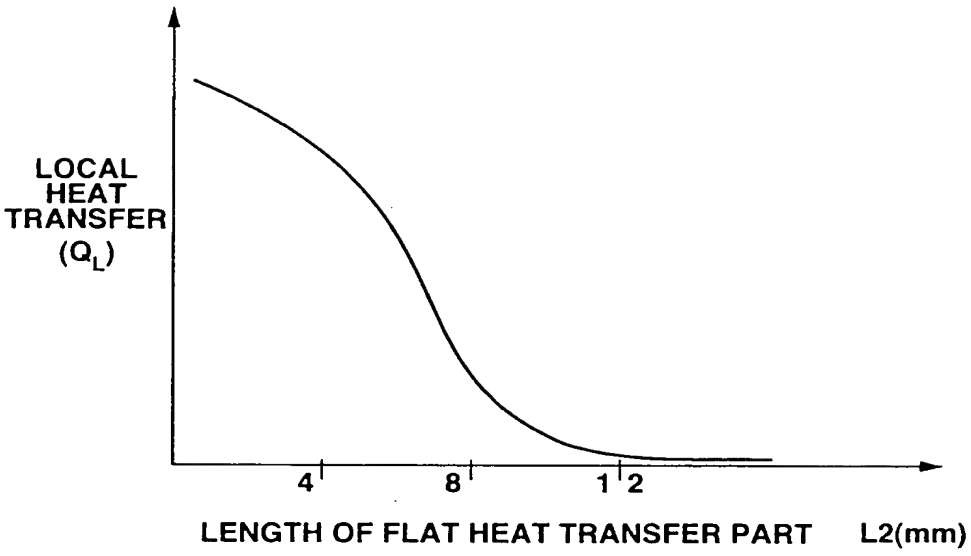
LOCAL
HEAT
TRANSFER
(Q_L)
4
8
12
LENGTH OF FLAT HEAT TRANSFER PART L2(mm)

FIG.4

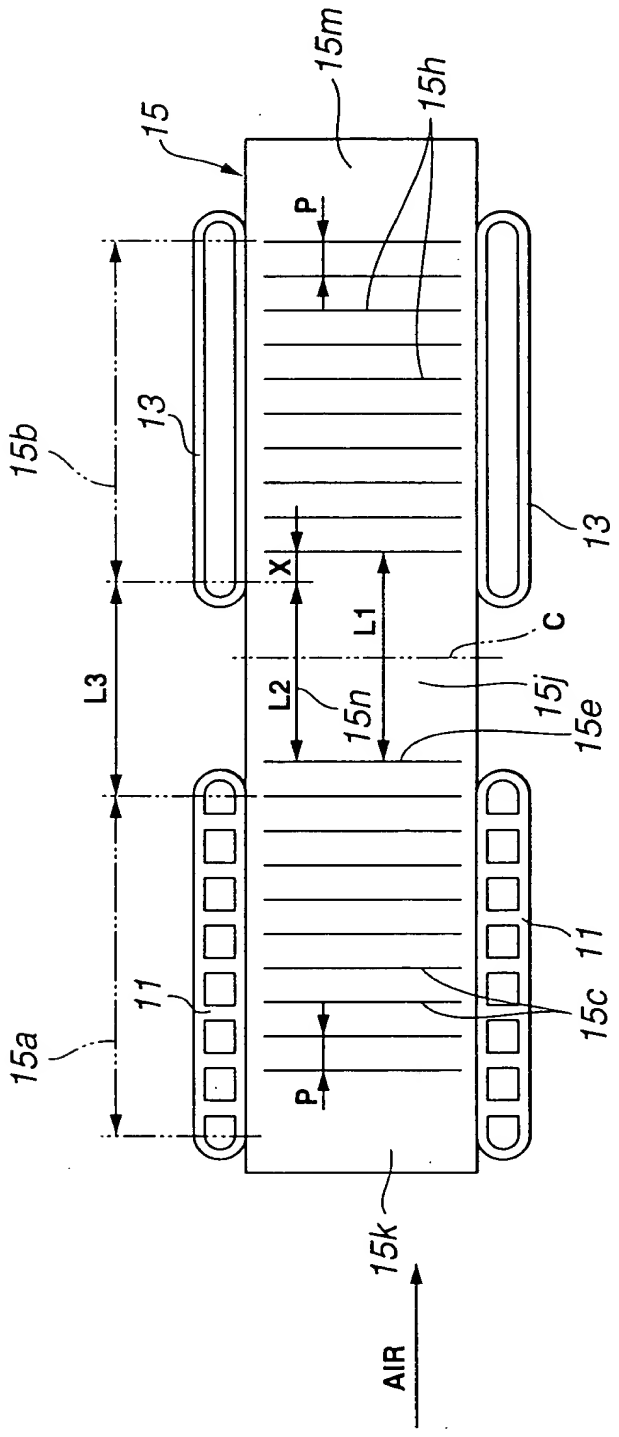
15
15m
15h
P
13
15b
13
X
L1
c
L3
L2
15n
15j
15e
11
15c
11
15a
P
15k
AIR

FIG.5

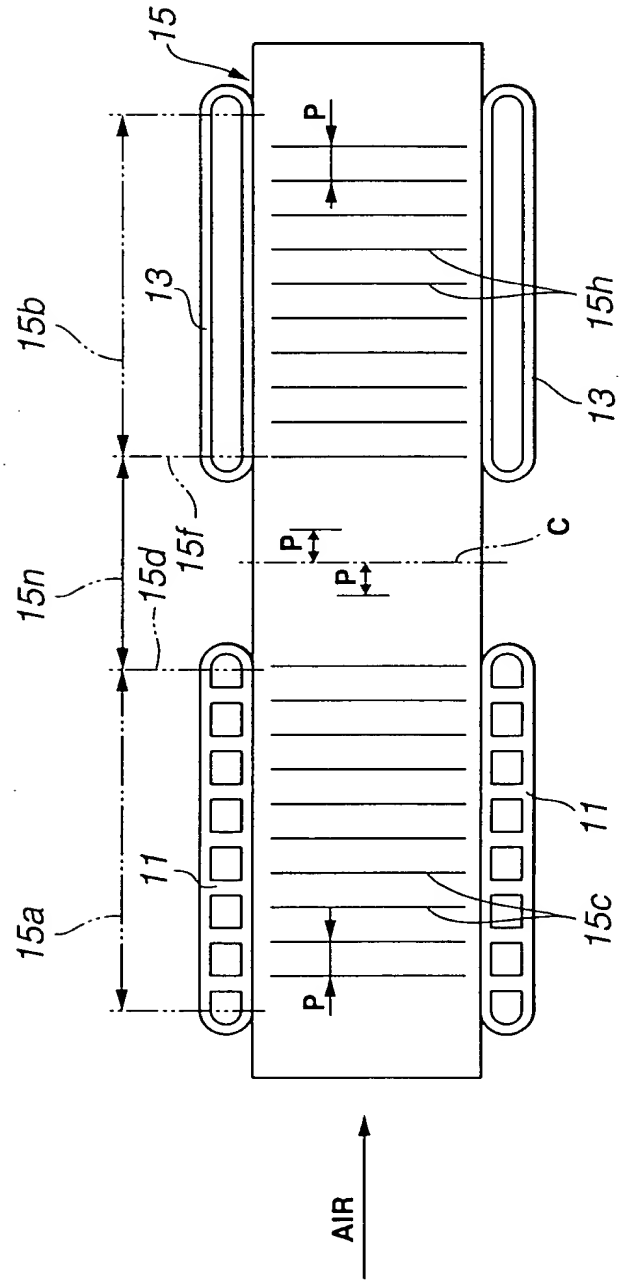

FIG.6

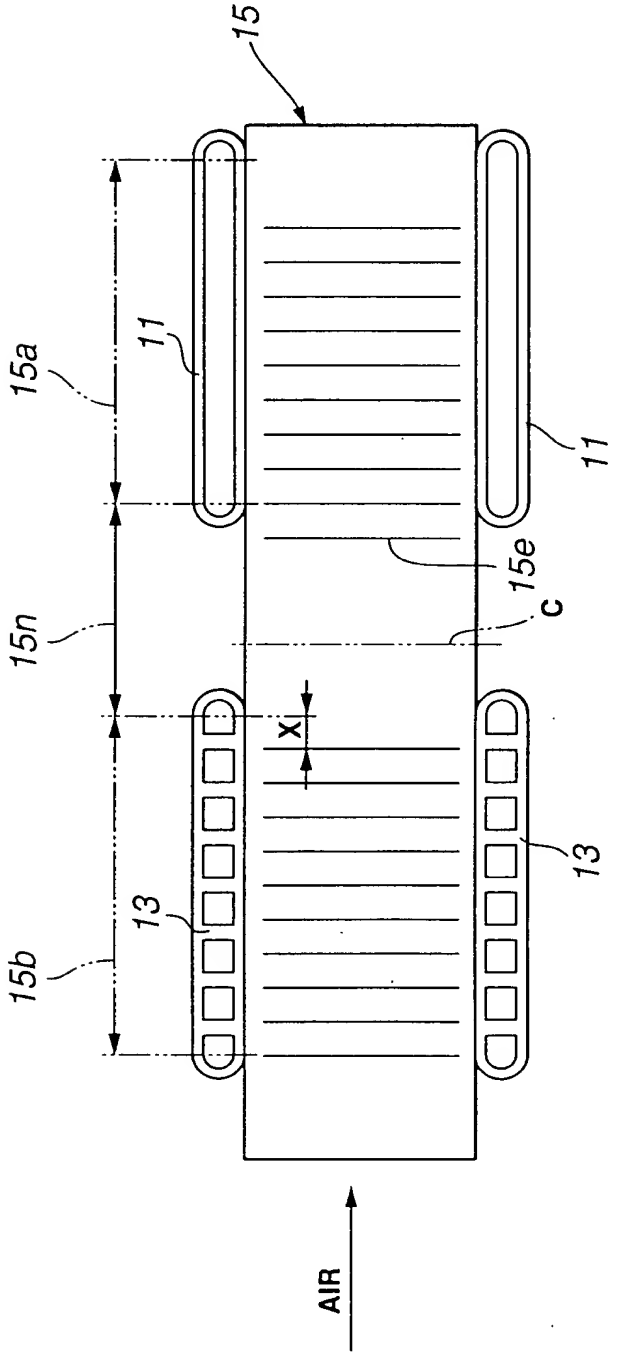

FIG.7

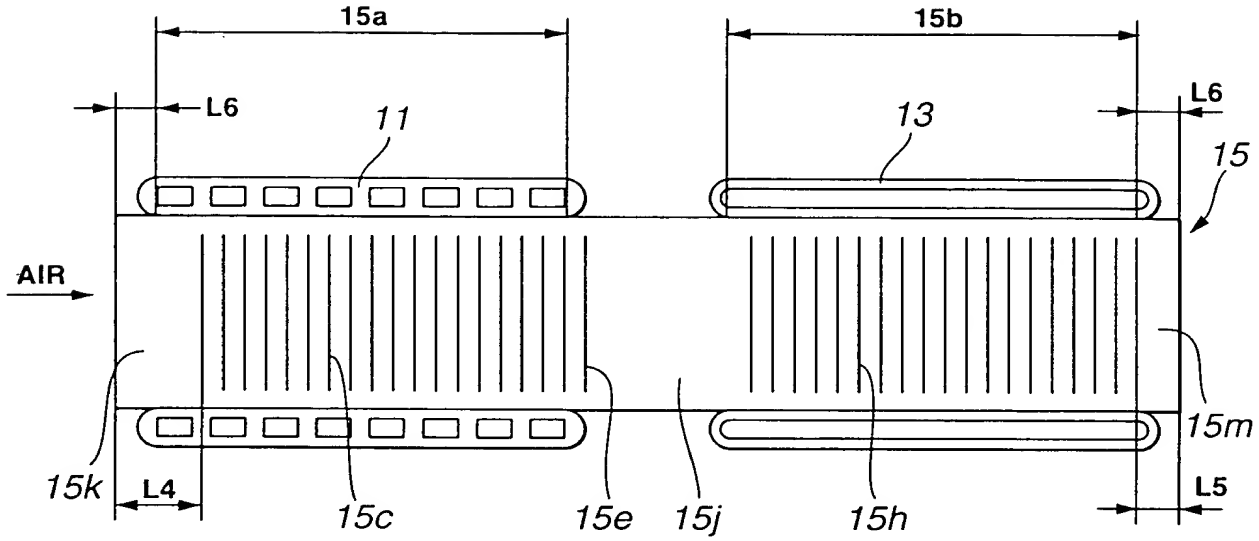
15a
15b
L6
L6
11
13
15
AIR
15k
L4
15c
15e
15j
15h
15m
L5

FIG.8

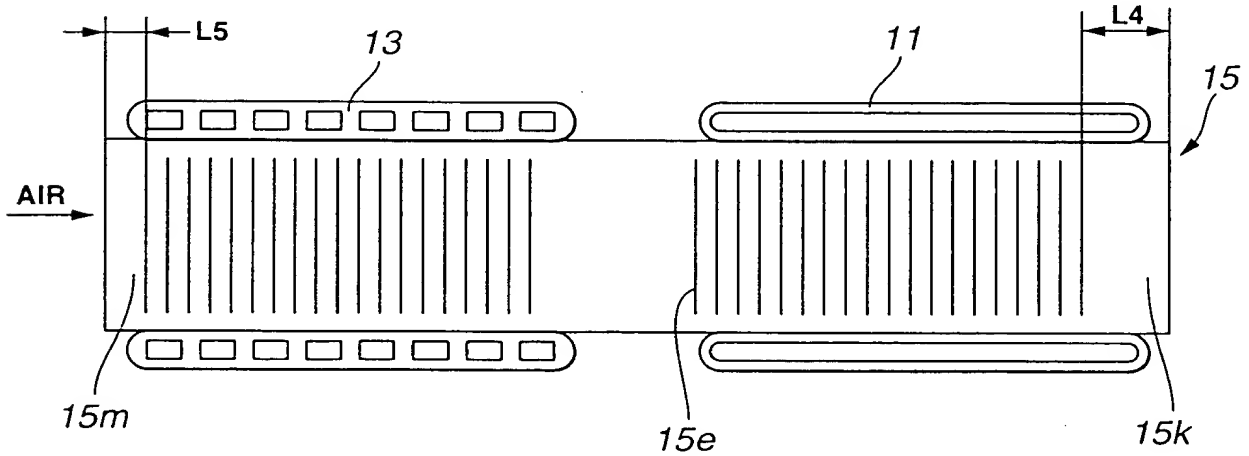
L5
13
11
L4
15
AIR
15m
15e
15k

FIG.9

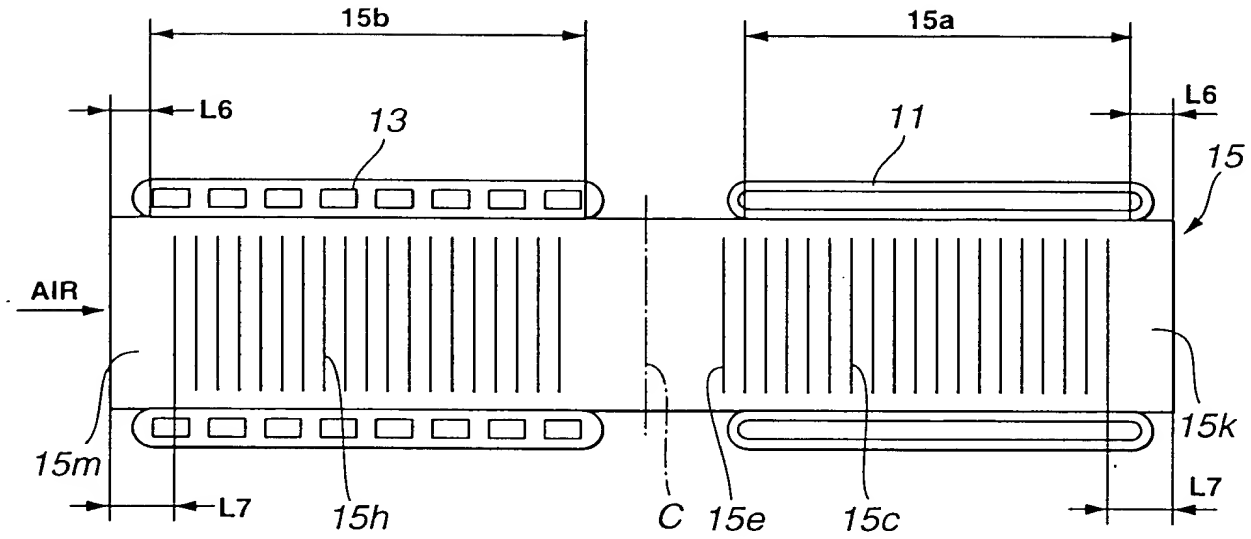
15b
15a
L6
13
11
L6
15
AIR
15m
15h
C
15e
15c
15k
L7
L7

FIG.10

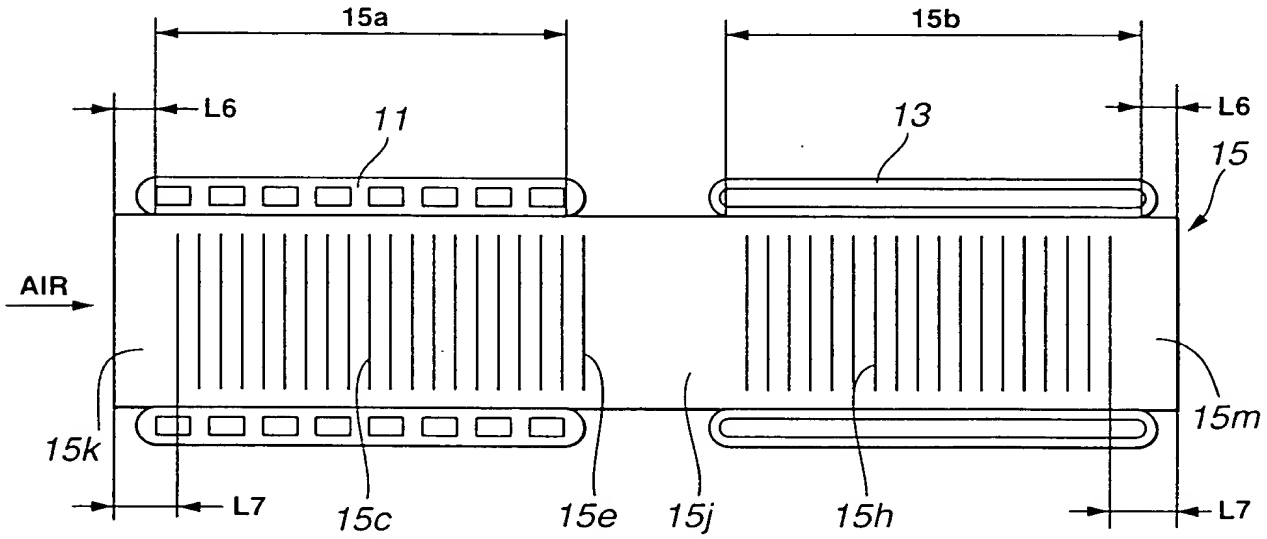
15a
15b
L6
11
13
L6
15
AIR
15k
15c
15e
15j
15h
15m
L7
L7

FIG.11

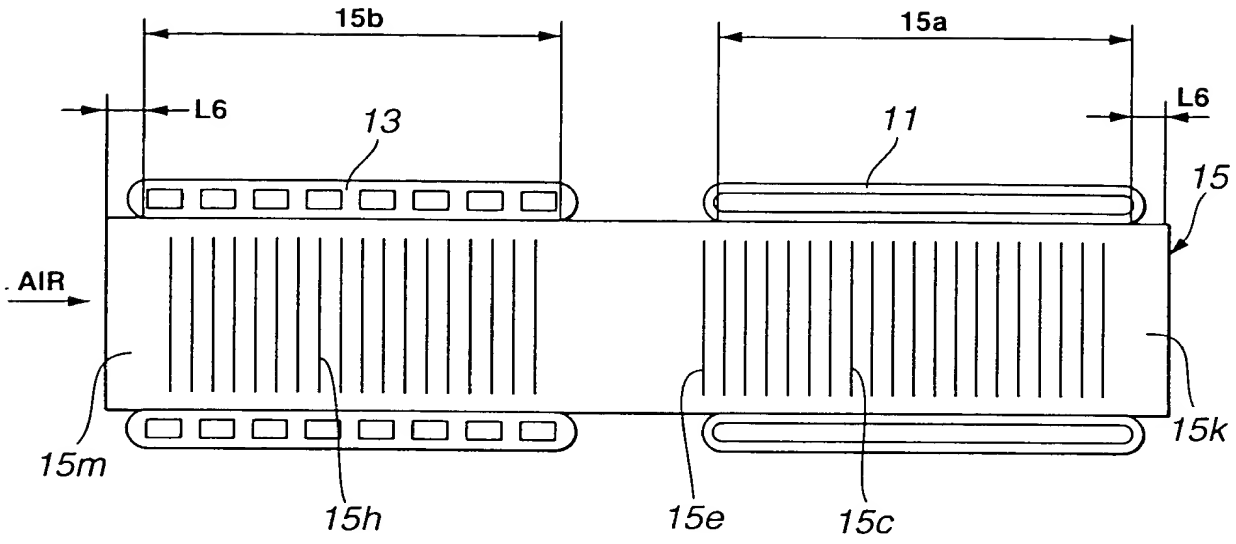
15b
15a
L6
L6
13
11
15
AIR
15m
15h
15e
15c
15k

FIG.12

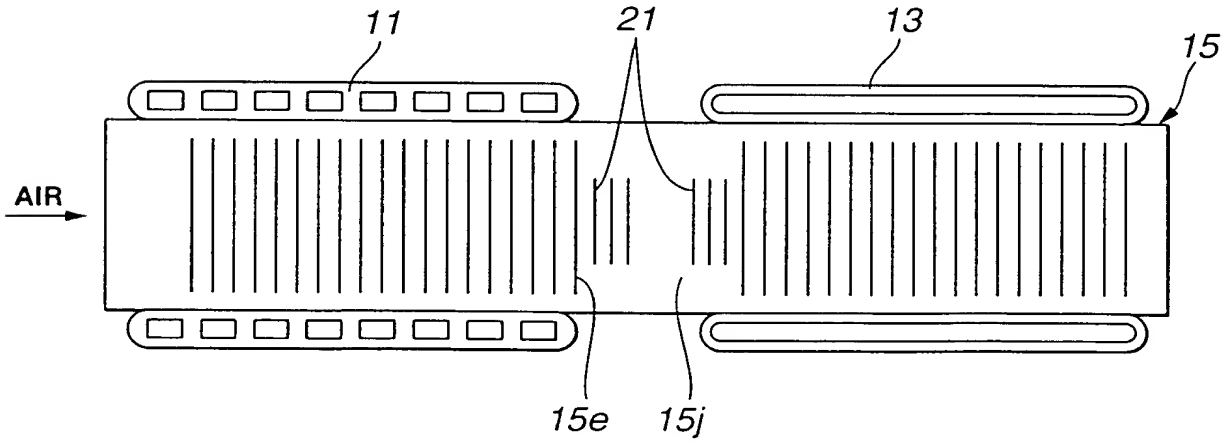
11
21
13
15
AIR
15e
15j

FIG.13

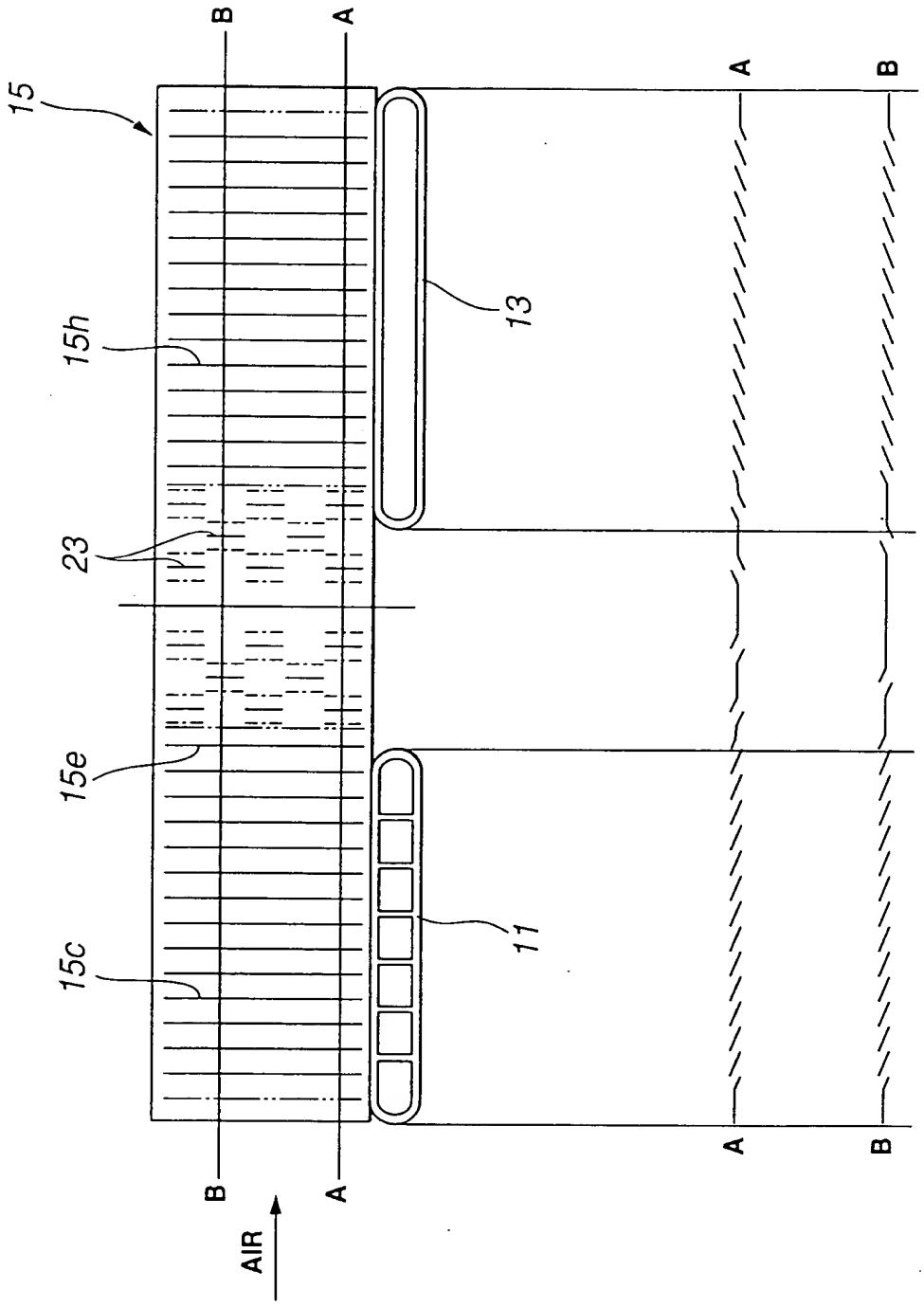

FIG.14

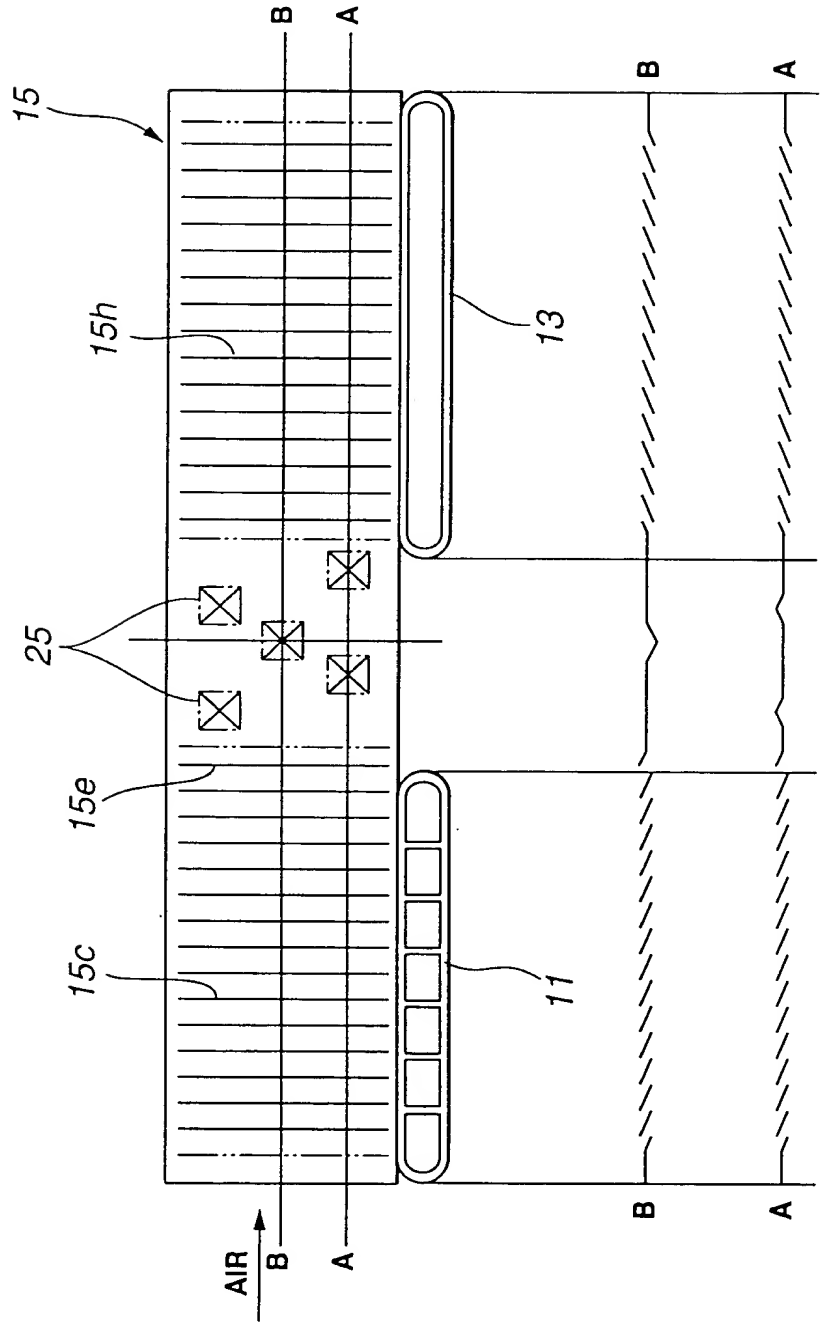

FIG.15

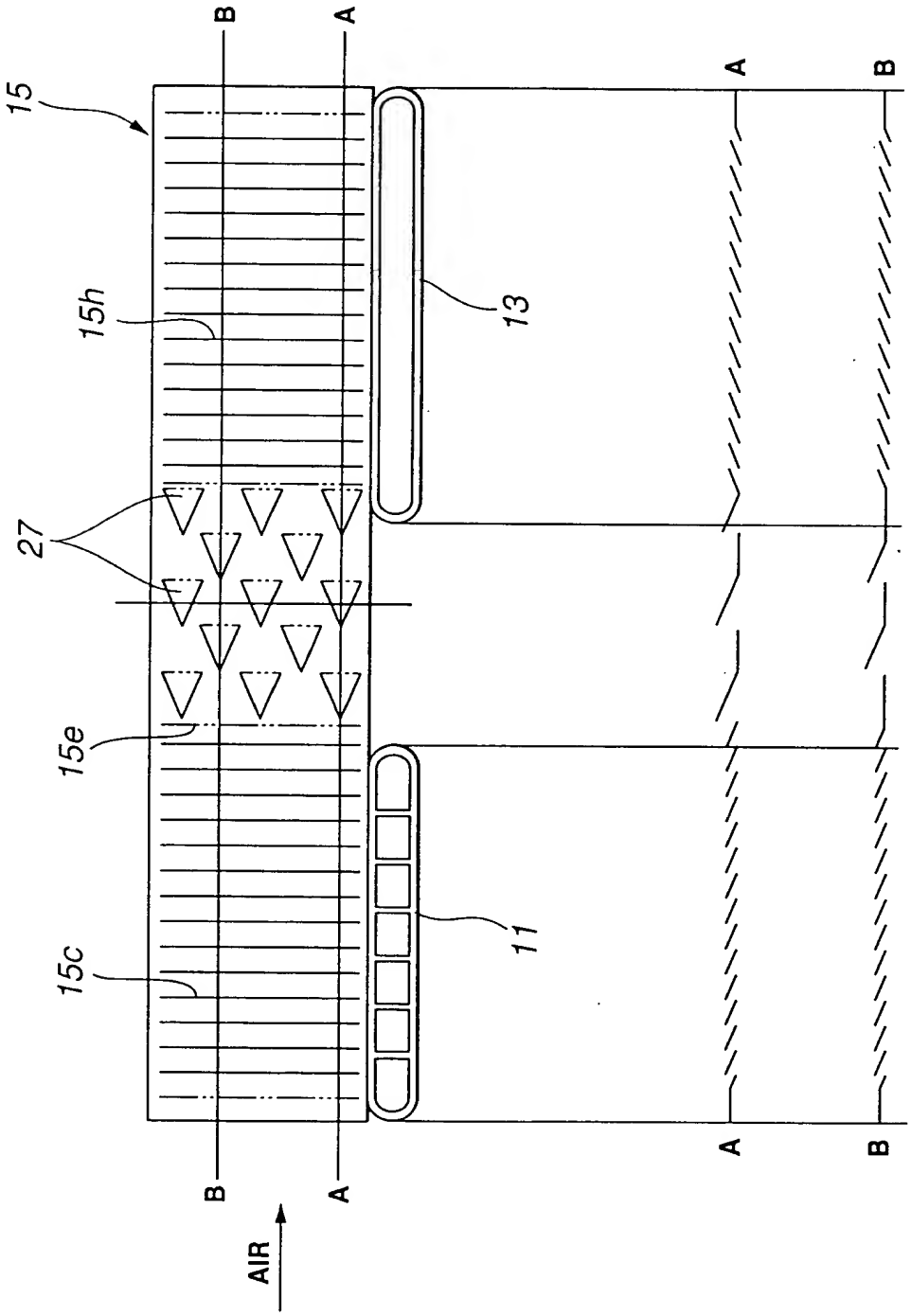

FIG.16

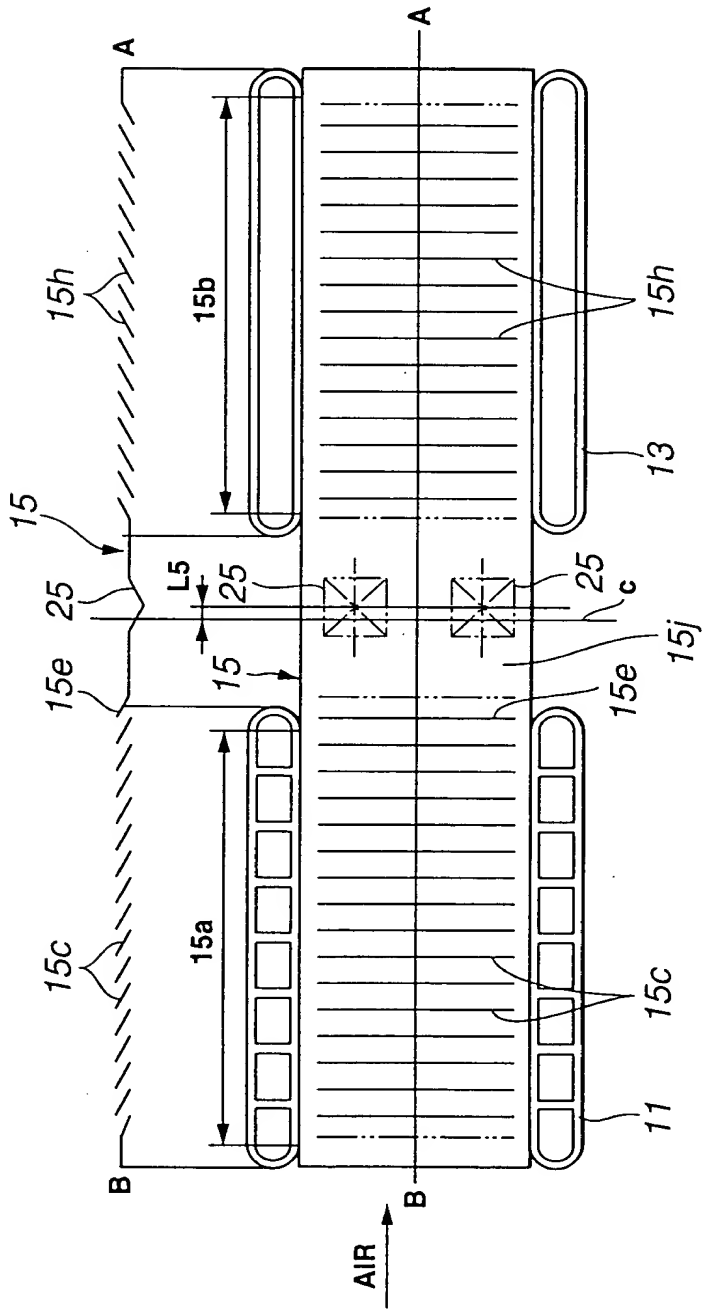
A
A
15h
15b
15h
13
15
25
L5
25
25
c
15j
15e
15
15e
15c
15a
15c
11
B
B
AIR

FIG.17

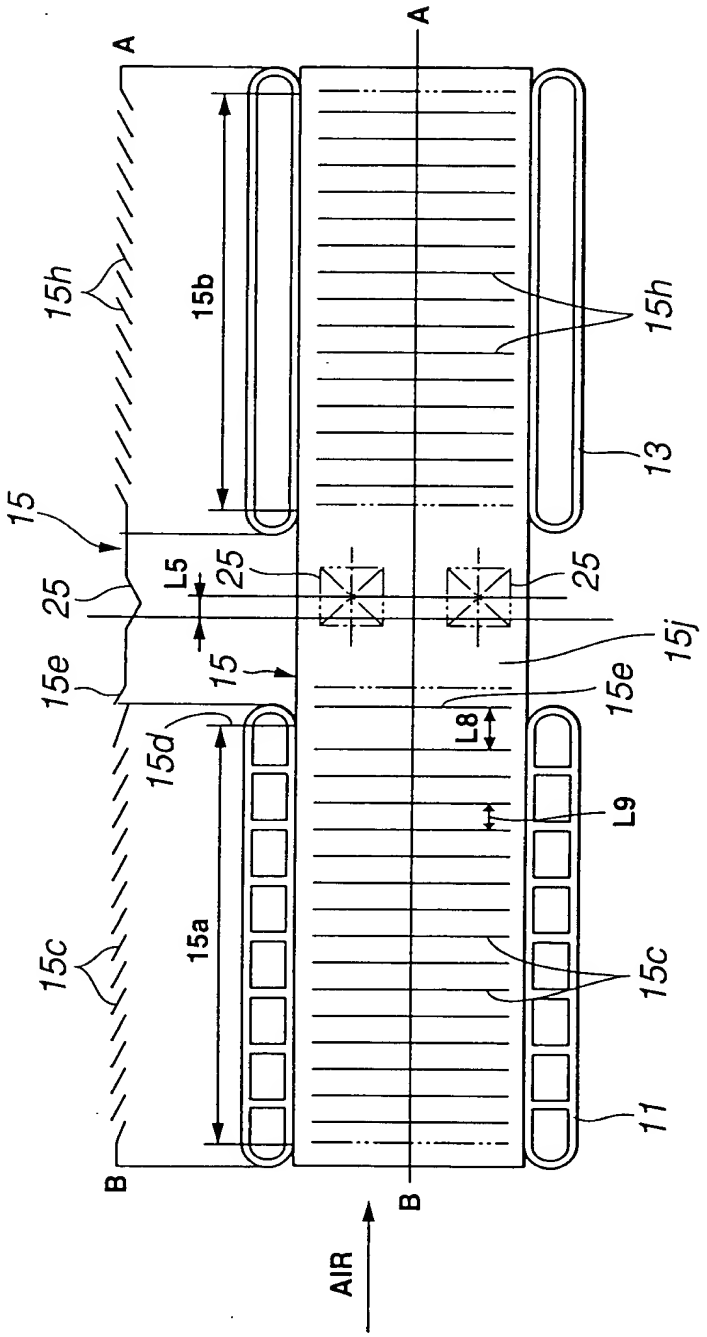
A
A
15h
15b
15h
13
15
25
L5
25
25
15j
15e
15
15e
15d
L8
L9
15a
15c
15c
11
B
B
AIR

FIG.18
(PRIOR ART)

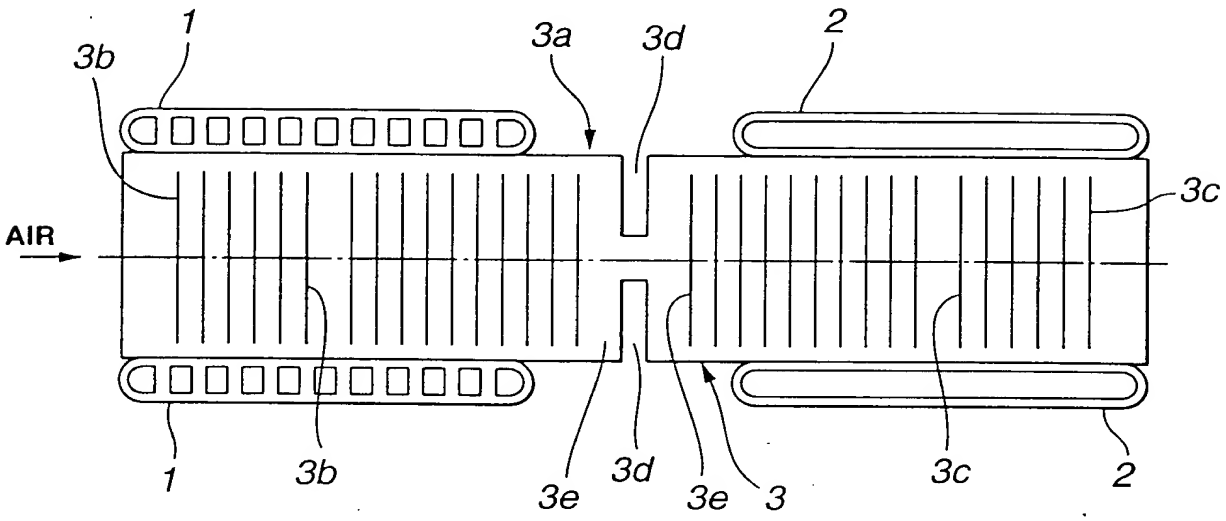
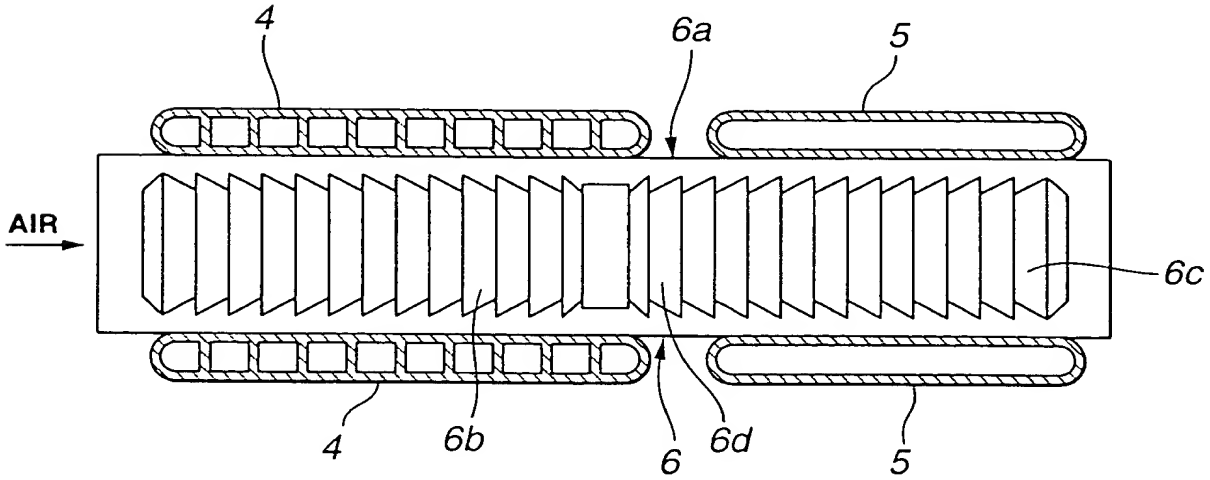
FIG.19
(PRIOR ART)